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PATENT, TRADEMARK, COPYRIGHT
AND UNFAIR COMPETITION LAW
AND RELATED LITIGATION

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January 6, 2006

FACSIMILE COVER SHEET

To: Technology Center 2811
Examiner Shouxiang Hu

From: Kristi L. Davidson

Fax: (571) 273-8300
Central Fax Number

Re: Our File: TPS-008
Serial No. 10/797,425

Pages: 16

MESSAGE/COMMENTS

Attached herewith is the formal Response to Office Action
submitted for the above-identified application

PLEASE DELIVER IMMEDIATELY TO

EXAMINER SHOUXIANG HU

Enclosures: Facsimile Cover Sheet (1 pg.)
Response to Office Action (14 pgs.)
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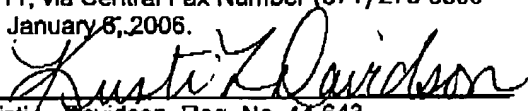
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Kristi L. Davidson, Reg. No. 44,643Date 1/6/06**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No.: 10/797,425
Filed: March 10, 2004
Group Art Unit: 2811
Examiner: Shouxiang Hu
Applicant: Pradip K. Roy et al.
Title: **SILICON-GERMANIUM THIN LAYER SEMICONDUCTOR
STRUCTURE WITH VARIABLE SILICON-GERMANIUM
COMPOSITION AND METHOD OF FABRICATION**
Attorney Docket: TPS-008
Confirmation No.: 4397

Cincinnati, OH

January 6, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

RESPONSE TO OFFICE ACTION

This paper is responsive to the Office Action mailed October 18, 2005. The Examiner has indicated that claims 1-29, 54 and 55 are pending in the application, claims 4, 6, 7, 9, 10, 15-24, 28 and 29 are withdrawn from consideration, and claims 1-3, 5, 8, 11-14, 25-27, 54 and 55 are rejected. The following amendments and remarks are respectfully submitted.